

ABSTRACT OF THE DISCLOSURE

1 A system and method control intake air of an internal
2 combustion engine. The engine has at least one combustion
3 chamber provided with intake valves together with an intake
4 manifold provided with a throttle valve. The opening and closure
5 timings of the intake valves are adjustable entirely
6 independently by electromagnetic drivers from the crankshaft
7 position to control the amount of intake air supplied to the
8 combustion chamber. The system and method provide a
9 response adjustment to variable valve timing control of the
10 intake valves for unthrottled intake air control.